

Product datasheet for SC303496

NAIP (NM_004536) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NAIP (NM_004536) Human Untagged Clone
Tag: Tag Free
Symbol: NAIP
Synonyms: BIRC1; NLRB1; psiNAIP
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004536 edited
AAAGGACGGACAGAGCATTGTCTTCAGCCACATACTTCCCTTCCACTGGCCAGCATTC
TCCTCTATTAGACTAGAAGTGTGGATAAACCTCAGAAAATGGCCACCCAGCAGAAAAGCCT
CTGACGAGAGGATCTCCAGTTTGATCACAAATTTGCTGCCAGAGCTGTCTGCTCTTCTGG
GCCTAGATGCAGTTCAGTTGGCAAAGGAACTAGAAGAAGAGGAGCAGAAGGAGCGAGCAA
AAATGCAGAAAGGCTACAACCTCAAAATGCGCAGTGAAGCAAAAAGGTTAAAGACTTTTG
TGACTTATGAGCCGTACAGCTCATGGATACCACAGGAGATGGCGGCCGCTGGGTTTTACT
TCACTGGGGTAAAATCTGGGATTCAGTGCTTCTGCTGTAGCCTAATCCTCTTTGGTGCCG
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TGAACAAGGATGTTGGTAACATTGCCAAGTACGACATAAGGGTGAAGAATCTGAAGAGCA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004536 unedited
 GGCCATTTGAAAATACGACTCCTATAGGGCGGCCGGAATTCGGCACGAGAAAGGACGG
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 AGACTAGAACTGTGGATAAACCTCAGAAAATGGCCACCCAGCAGAAAGCCTCTGACGAGA
 GGATCTCCAGTTTGATCACAATTTGCTGCCAGAGCTGTCTGCTCTTCTGGGCCTAGATG
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 AACAGGACACGGTACAGTGTTTTTCTGTGGTGGATGTTTAGGAAATGGGAAGAAGAGA
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 TCCTCAGAGGAAATTACCCAGTATATTTCAAAGCTACAAGGATTTGTTGACATAACGGAA
 GACATTTTGTGAATTCCTGGGTGAGAGAAGAATTACCTATGGCATCAGCTTATTGCAATG
 ACCAGCATC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004536 unedited
 CAATAATGGCACTTCCGGGCCGAGAGCACTGGGGAGGGGTCACAGGGATGCCCCGGGA
 TCTGTTACAGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTT
 TTTTCCAGTTTTATTTAGGTATAATTGACAAAATATTTATATTTTCAGTTGTACAACATG
 GATGTTCAACATGTTTTGGTGTACATATACTTTCTGATATTATAAATGGTTACCACAAGC
 AAGCTCAGTAACATATTCAGAAATCCTAATGTAGCTAGCAATATAAGTGGTTTTGTTTT
 TTGTTTTGAGACAGACAGGGTCTTGCTCTGTTGCCAGGCTGGAATGCAGTGGCGCCATC
 TTGGCTCACTGCACCTTTGCCTCCAGGGTTCAAGCAAGTATTGCGTTTTACGCCTCCCTAT
 TGGCTGGGACTACAGGCATGTGCCACCACACCTGGCTAATTTTTGTATTTTAAATAGAGA
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 ACTCAGCCTTACCAAAGTGTGGGATTACACGGTGTGAGCCACCTCACCTAACATTCTTG
 GTTTCCTAAACAAATGAAACCACACCTTACAACTGTCTATTTTTATACTTGGCAAGGA
 GAGGGGAGTTGCTTTTTTCTAAAAGAAATAGAAATGAGGAAAAAAGTATGGTTGTTTACC
 C

Restriction Sites:	Please inquire
ACCN:	NM_004536
Insert Size:	6000 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	no
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_004536.1 , NP_004527.1
RefSeq Size:	6133 bp
RefSeq ORF:	4212 bp
Locus ID:	4671
UniProt ID:	Q13075
Cytogenetics:	5q13.2
Protein Families:	Druggable Genome
Protein Pathways:	NOD-like receptor signaling pathway

Gene Summary:

This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization of this genomic region. This copy of the gene is full length; additional copies with truncations and internal deletions are also present in this region of chromosome 5q13. It is thought that this gene is a modifier of spinal muscular atrophy caused by mutations in a neighboring gene, SMN1. The protein encoded by this gene contains regions of homology to two baculovirus inhibitor of apoptosis proteins, and it is able to suppress apoptosis induced by various signals. Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Nov 2016]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Both variants 1 and 3 encode the same protein.